Robotic Automation Pwc

President Putin’s explicit declaration that the country that makes progress in artificial intelligence will rule the world has launched a new race for dominance. In this era of cognitive competition and total automation, every country understands that it must rapidly adopt AI or go bust. To stay competitive a country must have a strategy. But how should a government proceed? What areas it must focus on? Where should it even start? This book provides answers to these important, yet pertinent, questions and more. Presenting the viewpoints of global experts and thought leaders on key issues relating to AI and government policies, this book directs us to the future.

Dieses Buch bringt Ihnen die Robotic Process Automation in der Finanzwirtschaft näher In der Finanzbranche ist das Thema Prozessautomatisierung seit Jahren nicht mehr wegzudenken. Doch wie setzt man solche Veränderungen im Rahmen des Changemanagements erfolgreich und effizient um? Das Buch „Robotic Process Automation in der Finanzwirtschaft“ zeigt es Ihnen. Im Fokus steht der recht junge RPA-Ansatz aus der Intelligent Automation. Dabei imitieren Roboter das menschliche Handeln. Die Eingabe von Befehlen erfolgt direkt über die Oberfläche. So gehören tiefgreifende Softwareveränderungen der Vergangenheit an. Im Zuge dessen klärt dieses Buch u. a. folgende Fragen bezüglich der Robotic Process Automation in der Finanzwirtschaft: • Was ist RPA überhaupt? • Welche Vorteile bringt diese Technologie mit sich? • Welche Erfolgsfaktoren tragen zu einer optimalen RPA-Implementierung bei? • Wie sieht ein mögliches RPA-Kompetenzcenter aus? • Welche Anwendungsbereiche für RPA gibt es? Eine Leseempfehlung für ein breites Zielpublikum Daneben beschäftigen sich die Autoren nicht nur mit dem Ist-Zustand der Robotic Process Automation. Zudem erhalten Sie einen Ausblick auf die zukünftige Entwicklung dieser Software-Lösung. Durch den hohen Praxisbezug ist das Buch speziell für folgende Zielgruppen eine lesenswerte Empfehlung: • Verantwortliche für die Implementierung von Prozessen oder Technologien im IT-Bereich • RPA-Anwender und Personen, die sich dafür interessieren • Erfahrene Experten und Praktiker, die branchenübergreifend mit RPA vertraut sind

Blockchain technology and artificial intelligence (AI) have the potential to transform how the accounting and financial services industries engage with the business, stakeholder and consumer communities. Presenting a blend of technical analysis with current and future applications, this book provides professionals with an action plan to embrace and move forward with these new technologies in financial and accounting organizations. It is written in a conversational style that is unbiased and objective, replacing jargon and technical details with real world case examples.

The book explores technological advances in the fourth industrial revolution (4IR), which is based on a variety of technologies such as artificial intelligence, Internet of Things, machine learning, big data, additive printing, cloud computing, and virtual and augmented reality. Critically analyzing the impacts and effects of these disruptive technologies on various areas, including economics, society, business, government, labor, law, and environment, the book also provides a broad overview of 4IR, with a focus on technologies, to allow readers to gain a deeper understanding of the recent advances and future trajectories. It is intended for researchers, practitioners, policy-makers and industry leaders.

Due to changes in the learning and research environment, changes in the behavior of library users, and unique global disruptions such as the COVID-19 pandemic, libraries have had to adapt and evolve to remain up-to-date and responsive to their users. Thus, libraries are adding new, digital resources and services while maintaining most of the old, traditional resources and services. New areas of research and inquiry in the field of library and information science explore the applications of machine learning, artificial intelligence, and other technologies to better serve and expand the library community. The Handbook of Research on Knowledge and

Organization Systems in Library and Information Science examines new technologies and systems and their application and adoption within libraries. This handbook provides a global perspective on current and future trends concerning library and information science. Covering topics such as machine learning, library management, ICTs, blockchain technology, social media, and augmented reality, this book is essential for librarians, library directors, library technicians, media specialists, data specialists, catalogers, information resource officers, administrators, IT consultants and specialists, academicians, and students.

This book explains how various forms of artificial intelligence, namely machine learning, natural language processing, and robotic process automation, could provide a source of competitive advantage to firms deploying them compared to those firms that would not have deployed these technologies. The advantages of machine learning, natural language processing, and robotic process automation in strategy formulation and strategy implementation are explored. The book illustrates the potential sources of advantage for the strategy formulation and strategy implementation processes, which can be derived from the deployment of each form of artificial intelligence.

This book describes process mining use cases and business impact along the value chain, from corporate to local applications, representing the state of the art in domain know-how. Providing a set of industrial case studies and best practices, it complements academic publications on the topic. Further the book reveals the challenges and failures in order to offer readers practical insights and guidance on how to avoid the pitfalls and ensure successful operational deployment. The book is divided into three parts: Part I provides an introduction to the topic from fundamental principles to key success factors, and an overview of operational use cases. As a holistic description of process mining in a business environment, this part is particularly useful for readers not yet familiar with the topic. Part II presents detailed use cases written by contributors from a variety of functions and industries. Lastly, Part III provides a brief overview of the future of process mining, both from academic and operational perspectives. Based on a solid academic foundation, process mining has received increasing interest from operational businesses, with many companies already reaping the benefits. As the first book to present an overview of successful industrial applications, it is of particular interest to professionals who want to learn more about the possibilities and opportunities this new technology offers. It is also a valuable resource for researchers looking for empirical results when considering requirements for enhancements and further developments.

As technology continues to revolutionise today’s economy, Big Data, Blockchain and Cryptocurrency are rapidly transforming themselves into mainstream functions within the financial services industry. This book examines each concept individually, analysing the opportunities and challenges they bring and exploring the potential for future development. The authors further evaluate the fusion of these three important products of the FinTech revolution, illustrating their combined influence on the digital economy. Providing a comprehensive analysis of three innovative technologies, this timely book will appeal to scholars researching innovation in the finance industry and financial services technology more specifically.

Skup privrednika i naucnika (SPIN) je naucni i strucni skup koji od 2003. godine organizuje Centar za operacioni menadžment Fakulteta organizacionih nauka Univerziteta u Beogradu. Pokretac Skupa je bio dr Zoran Radojevic (1942-2015). Od 2009. godine Skup se organizuje svake druge godine, a nekoliko skupova je organizovano u saradnji sa Privrednom komorom Srbije. Tema XII Skupa privrednika i naucnika je „Lin transformacija i digitalizacija privrede Srbije“ koja objedinjuje dve oblasti koje su znacajne za razvoj privrede jedne zemlje u savremenim uslovima poslovanja. Prva oblast se odnosi na lin pristup, kao dominantnu proizvodnu paradigmu u svetu, i usmerena je na stvaranje vrednosti za korisnika kroz eliminaciju svih vrsta

rasipanja u proizvodnim ili neproizvodnim procesima. Lin proizvodnja je nastala u Tojoti tokom XX veka, i njena glavna karakteristika je kontinualno unapre?ivanje procesa kroz neprekidan, zajednicki rad svih zaposlenih u preduzecu, kako bi se putem timskog rada na projektima unapre?enja, u relativno kratkom roku i uz niske troškove, eliminisala rasipanja i bolje koristili ograniceni resursi. Druga oblast se tice primene savremenih digitalnih trendova u poslovanju (internet inteligentnih ure?aja, veštacka inteligencija i mašinsko ucenje, cloud platforme, blockchain tehnologije i automatizacija proizvodnih i poslovnih procesa), i mogucnostima za unapre?enje efektivnosti i efikasnosti stvaranja i isporuke proizvoda ili usluga korisnicima kroz integraciju digitalnih tehnologija u operacioni menadžment. Integracija ove dve oblasti je znacajna iz nekoliko razloga. Prvo, lin pristup promoviše unapre?ivanje kroz oslanjanje na sopstveno znanje i postojece resurse, što ga ?ini pogodnim za primenu u privredi Srbije koja se bori sa konstantnim nedostatkom resursa. Drugo, lin transformacija omogucava stvaranje zdravih osnova za kasniju digitalizaciju privrede. I konacno, digitalizacija treba da omoguci privredi Srbije da postane i ostane konkurentna na globalnom tržištu. Kao i svake godine, osnovni cilj XII Skupa privrednika i naucnika - SPIN `19 je okupljanje predstavnika akademske zajednice i privrede, kako bi razmenili znanja i iskustva i doprineli razvoju privrede Srbije. Treba napomenuti da se XII Skup privrednika i naucnika - SPIN ’19 održava u godini u kojoj Fakultet organizacionih nauka slavi znacajan jubilej, 50 godina od osnivanja Fakulteta. U 50 godina postojanja, Fakultet organizacionih nauka je prepoznat kao institucija od autoriteta u polju lin pristupa i razvoju digitalnih tehnologija, kao i njihovoj primeni u poslovnom svetu, zahvaljujuci kontinuiranom razvoju teorije i prakse u posmatranoj oblasti.

Artificial Intelligence in Accounting: Practical Applications was written with a simple goal: to provide accountants with a foundational understanding of AI and its many business and accounting applications. It is meant to serve as a guide for identifying opportunities to implement AI initiatives to increase productivity and profitability. This book will help you answer questions about what AI is and how it is used in the accounting profession today. Offering practical guidance that you can leverage for your organization, this book provides an overview of essential AI concepts and technologies that accountants should know, such as machine learning, deep learning, and natural language processing. It also describes accounting-specific applications of robotic process automation and text mining. Illustrated with case studies and interviews with representatives from global professional services firms, this concise volume makes a significant contribution to examining the intersection of AI and the accounting profession. This innovative book also explores the challenges and ethical considerations of AI. It will be of great interest to accounting practitioners, researchers, educators, and students.

This publication examines the opportunities and challenges, for business and government, associated with technologies bringing about the “next production revolution”. These include a variety of digital technologies (e.g. the Internet of Things and advanced robotics), industrial...

Never before in the healthcare industry has there been such intense emphasis and open debate on the issue of quality. The steady rise in the cost of healthcare coupled with the need for quality have combined to put the healthcare industry at the top of the national agenda. Quality, costs, and service are not just socially provocative ideas.

They are critical criteria for decision-making by patients, physicians, and many key constituents of healthcare organizations. The pursuit of improved performance has driven a host of executives and managers in search of techniques for structuring, rehabilitating, redesigning, and reengineering the organizations they serve. Unfortunately, the narrow-mindedness with which programs are implemented and the discontinuity in their application weaken the promise of success. The process of quality improvement can become an undisciplined search for illusions rather than reality. For many years, healthcare managers have embraced the narrow definition of performance solely in the context of financial success. Forward-thinking executives now realize that the road to financial success begins with success in quality and service. Quality and service are no longer separate issues – they are the same. Neither one by itself will bring about lasting success. The ultimate measure of performance is in an organization's ability to create value for its customers, and true performance must be measured in the context of the customers' total experience. This book is about how to manage performance in the context of value to the customer or patient. It brings together the many pieces of the performance improvement puzzle – quality, technology, costs, productivity, and customer service. The author also covers process improvement tools including Lean and Six Sigma, and how to create a culture of continuous improvement as well as how to improve the patient experience and productivity improvement strategies. The book is filled with examples, illustrations, and tools for improving key aspects of a healthcare organization's performance.

This guide covers leading-edge topics in managerial accounting and finance. It's packed with useful tips and practical guidance controllers and financial managers can apply immediately. You'll also gain insight into hot topics such as: Power Pivot Integrated Reporting Bitcoin Technology trends In addition, this guide includes a case study covering three chapters using Excel tools, working capital trends and technology changes.

Manufacturing 4.0 The Use of Emergent Technologies in Manufacturing This book provides a comprehensive framework to understand and use Industry 4.0 emergent technologies in manufacturing for the hands-on engineers. It details the contribution of Lean and Manufacturing 4.0 to reduce and handle the increasing complexity experienced in the production floor. In addition, it classifies manufacturing under three attributes describing the way each of them modify it: Digital, Automated, and Additive. Each of these modifiers is presented as a chapter with a strategy, a detail description of the set of tools around them, and examples to make it easy to understand for the reader. The hype of industry 4.0 and its derivative technologies inevitably creates new business models but it also significantly impacts key process indicators. The integration, and exploitation of a subset of Industry 4.0 technologies is baptized as manufacturing 4.0 in this book. The book also outlines a manufacturing 4.0 implementation Strategy as part of the continuous improvement journey to assess, outline solutions, evaluate the benefit and risk, review with stakeholders, and create a portfolio. A roadmap provides a guideline together with all the explanations of the different technology applications in order to use it as a reference. The goal is for you to apply these technology enablers on the right problems to benefit your organization.

'It became apparent to me that, due to the complexity of problems that face humanity today, those who do not know should not lead.' – Professor Tshilidzi Marwala In 2020

the world found itself in a state of flux. A global pandemic disrupted the world order while the digital transformation of the Fourth Industrial Revolution (4IR), with its challenges and huge potential benefits, presented a fundamental paradigm shift. How are Africa's leaders to respond, today? In a crisis, decisive leadership is imperative for the public good, but as we move beyond the pandemic and confront the changes of the 4IR, we must determine how we will adapt. What is clear is that leadership will have to be grounded in scientific and mathematical thinking and in good governance. It follows, then, that for South Africa to succeed as a nation in the 21st century we must be able to provide our people with an all-embracing education, not just science and technology but human and social sciences as well. Leading in the 21st Century presents a comprehensive overview of how the world is changing and lessons we can draw from leaders, particularly in the African context. From Charlotte Maxeke and the Rain Queen Modjadji, to Mangaliso Robert Sobukwe, Eric Molobi and Richard Maponya, there is much to learn from great leaders. The challenges of the 21st century are immense, from climate change to social media and the digital divide that deepens our understanding of inequality, particularly in the 'new normal'. South Africa faces not only a shifting global context but a fraught local context of stagnant growth, rising unemployment and deep-seated inequality, worsened in 2020 by the national lockdown necessitated by the coronavirus pandemic. The 4IR offers solutions to many of our most pressing problems and we cannot afford to be left behind. The certainty is that the 4IR has arrived. The debates lie in how we respond to it. Tshilidzi Marwala deciphers it all, while providing a framework for navigating these shifts. A leading academic of international standing, and Deputy Chair of South Africa's Presidential 4IR Commission, Tshilidzi Marwala provides valuable insights into how leadership should be responding to the digital challenges of the 21st century.

This book brings together experts from research and practice. It includes the design of innovative Robot Process Automation (RPA) concepts, the discussion of related research fields (e.g., Artificial Intelligence, AI), the evaluation of existing software products, and findings from real-life implementation projects. Similar to the substitution of physical work in manufacturing (blue collar automation), Robotic Process Automation tries to substitute intellectual work in office and administration processes with software robots (white-collar automation). The starting point for the development of RPA was the observation that – despite the use of process-oriented enterprise systems (such as ERP, CRM and BPM systems) – additional manual activities are still indispensable today. In the RPA approach, these manual activities are learned and automated by software robots, either by defining rules or by observing manual activities. RPA is related to business process management, machine learning, and artificial intelligence. Tools for RPA originated from dedicated stand-alone software. Today, RPA functionalities are also integrated into elaborated process management suites. From a conceptual perspective, RPA can be structured into input components (sensors in the wide sense), an intelligence center, and output components (actuators in the wide sense). From a strategic perspective, the impact of RPA can be related to the support of existing tasks, the complete substitution of human activities, and the innovation of processes as well as business models. At present, high expectations are related to the use of RPA in the improvement of software-supported business processes. Manual activities are learned and automated by software robots that interact with existing

applications via the presentation layer. In combination with artificial intelligence (AI) as well as innovative interfaces (e. g., voice recognition) RPA creates a novel level of automation for office and administration processes. Its benefit potential reaches a return on investment (ROI) up-to 800% that is documented in various case studies.

Throughout human history, technological advancements have been made for the ease of human labor. With our most recent advancements, it has been the work of scholars to discover ways for machines to take over a large part of this labor and reduce human intervention. These advancements may become essential processes to nearly every industry. It is essential to be knowledgeable about automation so that it may be applied. Research Anthology on Cross-Disciplinary Designs and Applications of Automation is a comprehensive resource on the emerging designs and application of automation. This collection features a number of authors spanning multiple disciplines such as home automation, healthcare automation, government automation, and more. Covering topics such as human-machine interaction, trust calibration, and sensors, this research anthology is an excellent resource for technologists, IT specialists, computer engineers, systems and software engineers, manufacturers, engineers, government officials, professors, students, healthcare administration, managers, CEOs, researchers, and academicians.

Die digitale Transformation stellt auch für das Finanzwesen ein zentrales Thema dar. Sie wirkt sich dabei zum einen auf Abbildung und Umgang mit digitalen Neuerungen in den operativen Bereichen wie Bilanzierung, Controlling und Steuern aus. Zum anderen beeinflusst sie verstärkt die Prozesse, Aufgaben und Lösungen gerade in diesen Bereichen. Das Buch beleuchtet die verschiedenen Felder und unterstützt dabei, Handlungsbedarfe zu identifizieren und Bilanzierungs- und Besteuerungsfragen in die digitale Unternehmenspraxis zu transformieren. Themen: Digital Finance/CFO4.0 Controlling und Besteuerung digitaler Geschäftsmodelle Finanzberichterstattung in Zeiten von Social Media Cloud-Technologie für Finance (Shared) Sevices E-Invoicing Innovations- und Effizienzpotenzial in der Steuerabteilung Robotic Accounting

A lifesaver for those drowning in the demands of leadership Leadership Hacks is the business leader’s guide to getting things done. Over the years, the leader’s role has expanded to encompass more duties, more responsibility and more accountability — yet we’re still stuck with the same 24 hours in every day. The evolving business environment leaves many of us struggling to achieve against constantly shifting priorities, competitors and deadlines, and we are forever expected to do more with less. Is it even possible to make a real impact? Yes! This book shows you how to sort through the madness and get back to getting results. Identify your major speed bumps, and let the action-focused discussion gives you practical workarounds that will streamline your day and help you make things happen. Covering hacks at personal, one-on-one, and team levels, this book is packed with tips, tricks and advice that will help you eliminate the distractions and harness technology; communicate effectively, delegate clearly and coach confidently; and make meetings and missions that matter for your team. You’ll achieve greater results, open the channels of communication and look like a rock star to those still struggling with the daily deluge. Identify what distractions slow you down Fast-track your productivity to do more in less time Streamline delegation so your people perform faster Re-route meetings into productive conversations Learn the communication and technology shortcuts that get faster results Leaders are recognised for their results, but judged by their impact. Don’t let yourself fall victim to ever-mounting demands. Leadership Hacks shows you how to hack your day, shift your approach, boost your communication and start making your way to the top.

With advancing information technology, businesses must adapt to more efficient structures that utilize the latest in robotics and machine learning capabilities in order to create optimal human-robot cooperation. However, there are vital rising concerns regarding the possible

consequences of deploying artificial intelligence, sophisticated robotic technologies, automated vehicles, self-managing supply modes, and blockchain economies on business performance and culture, including how to sustain a supportive business culture and to what extent a strategic fit between human-robot collaboration in a business ecosystem can be created. The Handbook of Research on Strategic Fit and Design in Business Ecosystems is a collection of innovative research that builds a futuristic view of evolving business ecosystems and a deeper understanding of business transformation processes in the new digital business era. Featuring research on topics such as cultural hybridization, Industry 4.0, and cybersecurity, this book is ideally designed for entrepreneurs, executives, managers, corporate strategists, economists, IT specialists, IT consultants, engineers, students, researchers, and academicians seeking to improve their understanding of future competitive business practices with the adoption of robotic and information technologies.

Das vorliegende Buch gibt einen praxisorientierten Überblick über die notwendigen Voraussetzungen, die Funktionsweise sowie die einzelnen Schritte für die erfolgreiche Einführung von Robotic Process Automation (RPA). Neben theoretischen Grundlagen verdeutlichen Umsetzungsbeispiele aus der Praxis aus Controlling und Rechnungswesen das enorme Potenzial dieser Technologie.

When we look into the future, we imagine economic collapse, environmental disaster and the zombie apocalypse. But what if we are wrong? John Higgs takes us on a journey past the technological hype and headlines to discover why we shouldn't trust the predictions of science fiction, why nature is not as helpless as we assume and why purpose can never be automated. In the process, we will come to a better understanding of what lies ahead and how, despite everything we can build a better future.

Handbook of Artificial Intelligence and Robotic Process AutomationPolicy and Government ApplicationsAnthem Press

When (AI) brain is successful invention, I think Asia will be a new market to need (AI) brain attribution for Asia consumer needs. I believe Asia people expect (AI) can attribute to let them to use. The (AI) ability includes the ability of machines and systems to acquire and apply knowledge, and to carry out intelligent behavior. This includes a variety of cognitive tasks (e.g. sensing, processing, oral language, reasoning, learning, making decision) and demonstrating an ability to move and manipulate objects according). So, future Asia people (AI) consumers expect (AI) robots can attribute to whose society's needs, such as: how to apply intelligent systems to use a combination of big data analytics, cloud computing, machine-to-machine communication and the internet of things (IOT) to operate and learn. Asia people expect (AI) robots can give beneficial attribution to them, e.g. talking or playing a game for Asia young entertainment market; (AI) robots need to reflected by physical substance (such as any talking or playing gme robot player). In this sense, (AI) is like a human brain. For Asia (AI) robot service industry need, Asia (AI) robot clients expect to use soft robotics (robotic process automation) can be used to meet Asia (AI) robot service consumers' expectation of automation repetitive tasks and common processor needs, such as client servicing and sales without the need to transform existing IT system maps (e.g. (AI) salespeople robots, or (AI) service robotis). In (AI) office task aspect, Asia office consumers expect algorithmic game theory and computational social choice of (AI) robots to be attributed to replace some office human workers' tasks. Such as (AI) systems tat address the economic and social computing dimensions of (AI), such as how systems can handle potentially incentives, including self-interested human participants or firms, and the automated (AI) -based agents representing them, e.g. complex or simple office administrative tasks, e.g. typing, accounting, filing, etc. general office tasks which need human office workers who use computers to work to be replaced by (AI) robots to do. So, Asia office (AI) robots users who expect any ofice human administraion tasks can be replaced by (AI) robots to do. In Asia computer vision market, Asia

computer vision (image analytics), users expect (AI) robots can be replaced to human computer image workers to shorten time to work, or raise image quality to be more clear in the process of pulling relevant information from an image or sets of images to advanced classification and analysis. Such as hospital or clinic x-ray image vision (AI) robot invention, photo image (AI) robot invention etc. any Asia image industry (AI) robot market need. In Asia collaborative systems work with human (AI) robot market, Asia autonomous systems robots users who expect (AI) robots can be applied its models and alyorithms collaborative systems to help themm to develop autonomous systems that can work collaboratively with other systems and with humans, e.g. car manufacturing, computer manufacturing or any machine manufacturing products. So, Asia machine related manufacturing product industry manufacturers who expect to apply (AI) robots who can assist factory human manufacturing workers to manufacture any products in the short time efficiently. In Asia language teaching (AI) robot market, lanugage educators expect (AI) robots own natural language processing ability, algorithms that proces human language input and convert it into understanding represention, such as Asia translation education market (PWC). Thus, Asia language teaching businessmen expect (AI) brain invention which needs to be designed to own these above abilities of (AI) robot's manufacturers expectation to provide to them to use from any (AI) robots import.

According to New China’s long-term development plan, the Chinese military will complete its modernization by 2035. Moreover, a beautiful China will fully blossom as well by 2035, in its various charming and radiant aspects, including its ancient culture with modern Chinese characteristics, its benign positive soft power, its clean and green ecology and environment, its friendly and peaceful global diplomacy, and its win-win and progress-prosper relationships with the world’s nations, through the Belt and Road Initiative (BRI) to cooperate and co-develop for bilateral and international/regional benefits, and for the common good and the shared future of humanity. By 2049, New China will complete its ambitious, ardent and arduous century-long march of national development, modernization, and rejuvenation/renewal, and strongly establish its own world-class military forces. Following the previous two volumes: (1) China’s Renaissance on its phenomenal rise and transformation over the past 70 years (1949-2019), and (2) China’s Long March of Modernization with its remarkable and unique portfolio of blueprints,masterplans and roadmaps for full development, modernization, and rejuvenation by mid-21st century, this third volume incorporates (1) SOARING DRAGON which further explores China’s present and future developments, and (2) CHINA AT THE CUTTING-EDGE which provides a brief on China’s revolutionary breakthroughs and innovations in both the economic and military fields. And its message: New China is standing tall as a leading global innovator. This timely publication completes the New China development Quartet on the country’s envisioned and planned/scripted 100-year-long (1949-2049) struggles to comprehensively and fully develop, modernize, and rejuvenate/renew itself, and to build up a world-class military with distinctive Chinese characteristics. The contemporary Chinese Dream is China’s Vision 2050: of a boldly-reinvented, fully-restored and gloriously-transformed nationhood by 2050. According to its manifest destiny, New China will regain its historical foremost status among the world’s nations, by the highly auspicious time of the People’s Republic of China (PRC)’s centenary on 1 October 2049. As they say, history will repeat itself. And, it will do so, magnificently, in New China’s restoration to geopolitical preeminence.

Bachelorarbeit aus dem Jahr 2019 im Fachbereich BWL - Sonstiges, Note: 1, , Veranstaltung: Digitalization, Sprache: Deutsch, Abstract: Dieses Papier untersucht die Auswirkungen der Implementierung von Robotic-Process-Automation (RPA) auf die Arbeitsbelastung und den Einfluss auf die Arbeitsplätze. Dadurch wird der Bereich der RPA aufgeklärt und eine Grundlage für weitere Forschungen zu diesem Thema geschaffen. Die Forschung basiert auf einer interpretativen Vorgangsweise und verwendet einen empirischen Ansatz, bei dem

qualitative Daten durch Interviews mit Führungskräften und Mitarbeitern erhoben werden, die direkt an der Umsetzung von RPA beteiligt sind. Die Ergebnisse zeigen, dass die Umsetzung von RPA zur Entlastung der betroffenen Arbeitsplätze beiträgt. Es gab keine Beobachtungen, die darauf hindeuteten, dass Arbeitsplätze abgeschafft werden. Auch die aufgestellte Hypothese, dass Mitarbeiter sich Sorgen um ihren Arbeitsplatz machen wurde verneint. Die eingeführte RPA-Lösung in das Unternehmen PricewaterhouseCoopers (PwC) wird von den Befragten begrüßt. Abzuwarten bleibt ob die Implementierung auch in der Busy Season die Mitarbeiter entlastet. Darüber hinaus tragen die Ergebnisse zur Bereicherung der Literatur zur Automatisierung bei, indem sie die Vorteile und Gefahren von RPA aufzeigen. Die Grenzen der Befunde sind vor allem auf die Größe der Stichprobe zurückzuführen. Abschließend werden die Grenzen der Studie und Empfehlungen für die zukünftige Forschung formuliert.
Learn the secrets of how recurring revenue is driven at expert firms like BCG, KPMG, EY, and more Never Say Sell: How the World's Best Consulting and Professional Services Firms Expand Client Relationships explains how to scale individual engagements into long-term business relationships. Cowritten by Tom McMakin, the coauthor of How Clients Buy and expert in account development, and colleague Jacob Parks, this book provides insights from key rainmakers at firms like Accenture, IBM, and more into how they drive growth from existing relationships. Never Say Sell is a business development guide for professional service providers like consultants, accountants, and lawyers, whether they are sole proprietors or members of account teams tasked with expanding key accounts. Doing good work with existing clients is not enough to have them come back to you again and again. You must do more. This book explores the techniques and methods that leading professional service providers use to add value, cross sell, and drive recurring revenue from existing engagements. Never Say Sell will help you turn one-and-done clients into some of your most exciting and lucrative relationships. It is a must-have for any professional who benefits from repeat business.
This handbook addresses the intersection between corporate sustainability and digital transformation. It analyzes the challenges and transformations required to be able to have sustainable businesses with a future orientation. Topics include current and potential social, demographic, technological, and managerial trends; the implications of the digital revolution in society and business; as well as the challenges of being sustainable, and profitable. Providing an understanding of the business reasons to incorporate a future orientation into the business strategy, this handbook facilitates an understanding of the need for profound changes in individual behavior, organizational culture, public policy, and business environments to adapt to the accelerated changes and manage business with orientation to the future.
The 24 chapters in this book provides a deep overview of robotics and the application of AI and IoT in robotics. It contains the exploration of AI and IoT based intelligent automation in robotics. The various algorithms and frameworks for robotics based on AI and IoT are presented, analyzed, and discussed. This book also provides insights on application of robotics in education, healthcare, defense and many other fields which utilize IoT and AI. It also introduces the idea of smart cities using robotics.
You probably have an idea how robots will affect human workers negatively. Chief players in the tech world like Bill Gates and Elon Musk have provided their solutions; universal basic income or robot tax. But amidst the serious warnings and the utter sci-fi utopias, the human pain that will follow future job loss seems to be forgotten. 15 years or so from now, the US economy will lose 38% of its jobs to automation. This rate is alarming. And yet, many people maintain that automation should not and cannot slow down. However, what if the progress is decelerated a little? Just enough to match the slow fashion and slow food trends maybe? At the very least, people should rethink the ownership of autonomous trucks. Robotization would not be that bad if truck drivers owned the automatic trucks instead of having a corporation own

them all. In the meantime; robotization is a real threat and poses a danger to crucial human infrastructure. Table of Contents Introduction Elon Musk and Universal Basic Income Silicon Valley and the Automated Future Job Automation Bill Gates and a Threat to Jobs Artificial Intelligence and Automation Auto Industry Jobs That Will Be Lost To Automation The Rise of Automation and Coding Cyber Security Consumer Automation Automation in the Healthcare Industry Al Is the Future of Cybersecurity The Future of Automation Colleges: Jobs of the Future Automation and Perception Manage Automation and Jobs Automation and the Future Economy Conclusion

HR Without People? is a stimulating and confrontational challenge to conventional thinking on this people-centric profession's role in the future of work.

Written by prominent thought leaders in the global fintech space, The AI Book aggregates diverse expertise into a single, informative volume and explains what artifical intelligence really means and how it can be used across financial services today. Key industry developments are explained in detail, and critical insights from cutting-edge practitioners offer first-hand information and lessons learned. Coverage includes: · Understanding the AI Portfolio: from machine learning to chatbots, to natural language processing (NLP); a deep dive into the Machine Intelligence Landscape; essentials on core technologies, rethinking enterprise, rethinking industries, rethinking humans; quantum computing and next-generation AI · AI experimentation and embedded usage, and the change in business model, value proposition, organisation, customer and co-worker experiences in today's Financial Services Industry · The future state of financial services and capital markets – what's next for the real-world implementation of AITech? · The innovating customer – users are not waiting for the financial services industry to work out how AI can re-shape their sector, profitability and competitiveness · Boardroom issues created and magnified by AI trends, including conduct, regulation & oversight in an algo-driven world, cybersecurity, diversity & inclusion, data privacy, the 'unbundled corporation' & the future of work, social responsibility, sustainability, and the new leadership imperatives · Ethical considerations of deploying AI solutions and why explainable AI is so important

This book constitutes the refereed proceedings of the First Robotic Grasping and Manipulation Challenge, RGMC 2016, held at IROS 2016, Daejeon, South Korea, in October 2016.The 13 revised full papers presented were carefully reviewed and are describing the rules, results, competitor systems and future directions of the inaugural competition. The competition was designed to allow researchers focused on the application of robot systems to compare the performance of hand designs as well as autonomous grasping and manipulation solutions across a common set of tasks. The competition was comprised of three tracks that included hand-in-hand grasping, fully autonomous grasping, and simulation.

While human capabilities can withstand broad levels of strain, they cannot hope to compete with the advanced abilities of automated technologies. Developing advanced robotic systems will provide a better, faster means to produce goods and deliver a level of seamless communication and synchronization that exceeds human skill. Advanced Robotics and Intelligent Automation in Manufacturing is a pivotal reference source that provides vital research on the application of advanced manufacturing technologies in regards to production speed, quality, and innovation. While highlighting topics such as human-machine interaction, quality management, and sensor integration, this publication explores state-of-the-art technologies in the field of robotics engineering as well as human-robot interaction. This book is ideally designed for researchers, students, engineers, manufacturers, managers, industry professionals, and

academicians seeking to enhance their innovative design capabilities.
As business priorities change and focus shifts to address arising issues, HR professionals need to be able to reorganize talent swiftly and plan for future needs to enable the business to succeed. It covers how to forecast organizational demand for people, resources and skills, analyze the gap between supply and demand and most importantly, how to fill this gap. This book explains how to use agile workforce planning to achieve this. Agile Workforce Planning is a practical guide for HR and organization development practitioners needing to align their staff, skills and resources with evolving company goals. This book also covers how to identify the skills needed in the workforce, where these skills are already available and when they're missing, how to decide whether to buy, borrow or build them. Agile Workforce Planning explains how to collect data to calculate and predict staff churn as well as how to use qualitative and quantitative demand modelling to forecast for future needs and provides strategies to address these including lateral internal recruitment. There is also expert guidance on horizon scanning, scenario planning and how to secure stakeholder buy in and engagement for an agile workforce plan. Supported by case studies from companies including Apple, Coca-Cola, Procter & Gamble, NATO and the UK National Health Service, this is essential reading for HR and OD professionals needing to continuously align the talent and capabilities in their workforce with the overall business strategy
E-Logistics serves as the nerve system for the whole supply chain and enables smooth information flow within and between organizations. This new and updated edition provides the latest and most comprehensive coverage on digitalization in logistics and supply chain. It covers all transport modes and the role of ICT in supporting an integrated freight and supply chain network. E-Logistics provides a cross-academic and industry perspective with leading academics and practitioners as contributing authors. A variety of successful e-logistics business approaches are discussed covering a range of commercial sectors and transport modes. Subsequent chapters address in depth support systems for B2C and B2B e-commerce and e-fulfilment, warehouse management, RFID, electronic marketplaces, global supply network visibility and service chain automation. Industry case studies are used to support the discussion. The new edition also covers emerging technologies such as AI, machine learning and autonomous vehicles, Internet of Things, Robotics, drone and last mile deliveries.
The professional landscape is transforming, and the only way to maintain competitive advantage is to maximize the unique skills of your workforce. In Humanity Works, bestselling author, global workplace consultant and futurist Alexandra Levit provides a guide to making the most of the human traits of creativity, judgement, problem solving and interpersonal sensitivity. Revealing what the 'robot takeover' will really look like, how talent and machines can work side by side and how you can make organizational structures more agile and innovation focused, this book will prepare you to lead organizations of the future. Humanity Works doesn't just explain the fascinating trends of the future of work; it condenses cutting-edge academic and business thinking to show what you can do about the future right now. Original, real-life case studies including Nestle, The Washington Post, Deloitte, and Pepsi combined with exercises and workplace tools will equip you for staying innovative and successful in the wake of major workplace disruption. Everything hinges on capturing the human edge in your organization.

Dieses Buch wird Fach- und Führungskräften des Finanzsektors neue Einblicke in die Situation ihrer Branche geben. Denn traditionelle Strukturen und bisherige Wertschöpfungsketten müssen in der aktuellen Umbruchphase zukunftsfä hig verändert werden. Niedrigzins, erodierende Profitabilität, PSD2 und zunehmender Wettbewerb verstärken den Handlungsdruck auf Banken. Wie kann der institutionelle Wandel gelingen? Welche strategischen Weichenstellungen sind erforderlich, um neue Technologien erfolgreich zu implementieren und organisationale Voraussetzungen für die Transformation zu schaffen? In einem praxisorientierten Analyseteil stellt die Autorin das „alte Silodenken“ dar und zeigt Wege aus den einzelnen Silos heraus und hinein in den Wandel. Die Botschaft des Buches ist: Nicht nur Führungskräfte sollten in diesen Zeiten des Umbruchs zum Leader werden, sondern jeder mutige Mitarbeiter ist gefordert, Verantwortung zu übernehmen und die Zukunft der Bank mitzugestalten.